

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of :Docket No. SJO920010014US2  
R. S. Beach :Group Art Unit: not yet assigned  
Serial No.: not yet assigned : Examiner: Not yet assigned  
Filed: herewith  
For: METHOD OF SIMULTANEOUSLY INITIALIZING TWO ANTIFERROMAGNETIC  
LAYERS IN A MAGNETIC SENSOR" (as amended)

INFORMATION DISCLOSURE STATEMENT  
WITHIN THREE MONTHS OF FILING OR  
BEFORE MAILING OF FIRST OFFICE ACTION  
(37 CFR 1.97(b))

Assistant Commissioner of Patents and Trademarks  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Section 707.05(b) of the MPEP and 37 CFR 1.97 and 1.98, a copy is herewith submitted (attached to form PTO-1449, Rev. 7-80) of documents which may be relevant to the invention as claimed in the above-identified application.

It is requested that the Examiner fully consider the documents cited, initial the leftmost column of the attached PTO Form 1449 adjacent each cited document, and return a copy of the Form 1449 for applicants' records. It is further requested that the documents be cited on the cover of any patent issuing from the subject application.

The citation of the above documents should not be construed as a representation that an exhaustive search has been made, or that other, more pertinent information is not available. Nor does this statement constitute an admission by applicant or applicants' attorney that the information provided herein is necessarily relevant information to applicants' invention. Moreover, applicants reserve the right to establish the patentability of the claimed invention over any of the listed documents should they be applied there-against as references.

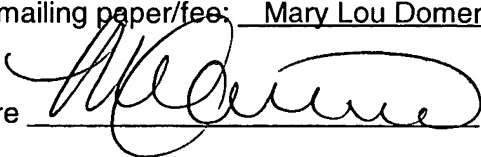
The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or before the mailing date of a first Office Action on the merits, whichever occurs last. 37 CFR 1.97(b).

CERTIFICATE OF MAILING

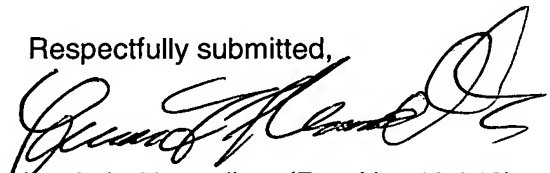
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Signature



Respectfully submitted,



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Form PTO 1449 U.S. Dept of Commerce  
Rev 7-80 Patent & Trademark Off.

: Atty. Docket No. : Serial No.  
: SJ0920020014US2: not yet assigned  
: Inventor: R. S. Beach  
: Filed: herewith Group Unit: not yet assigned

(Use several sheets if necessary)

### U.S. PATENT DOCUMENTS

EXAM.: INTL.:	: DOCUMENT : NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
:AA:	6,129,957	10/10/00	R. Xiao et al.	427/548	10/12/99
:AB:	5,465,185	11/07/95	D. E. Heim et al.	360/113	10/15/93
:AC:	5,729,410	03/17/98	R. E. Fontana Jr. Et al.	360/113	11/27/96
:AD:	6,005,753	12/21/99	R. E. Fontana Jr. Et al.	360/113	05/29/98
:AE:	6,249,406B1	06/19/01	H. Gill et al.	360/324.11	09/23/96
:AF:	6,219,211B1	04/17/01	H. Gill et al.	360/324.11	01/31/00
:AG:	5,867,351	02/02/99	H. Gill	360/113	07/25/97
:AH:	6,469,878B1	10/22/02	A. Mack et al.	360/324.12	02/08/00
:AI:	6,411,478B1	06/25/02	S. Mao et al.	360/324.2	02/08/00
:AJ:	6,097,579	08/01/00	H. Gill	360/324.2	08/21/98
:AK:	6,023,395	02/08/00	F. Dill et al.	360/113	05/29/98
:AL:	5,768,069	06/16/98	D. Mauri	360/113	11/27/96
:AM:	6,137,662	10/24/00	Y. Huai et al.	360/327.22	04/07/98
:AN:	6,487,056B1	11/26/02	M. Gibbons et al.	360/327.31	05/20/02

#### OTHER PRIOR ART (INCLUD. AUTHOR, TITLE, DATE, PERTINENT PG., ETC.)

- :CA: R. S. Beach et al., "Orthogonal Pinning of Two Ferromagnetic Layers in a Synthetic Spin Valve", June 17 2002, Applied Physics Letters, Vol. 80, No. 24, pages 4576 - 4578.  
:CB: O. Redon et al. "Extra Current Channels in Longitudinally Biased Magnetic Tunnel Junctions", Journal of Applied Physics, Vol. 87, No. 9, May 1, 2000, pages 4688-4690.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).